

## DETAILED ACTION

### *Allowable Subject Matter*

1. Claims 1-18 and 26-29 are allowed.

2. The following is an examiner's statement of reasons for allowance:

The cited prior art references issues to Maekawa et al is not qualified as prior art references because the certified English translation of the JP 05/01286 priority document has been filed on January 24, 2005.

The prior of record fails to disclose the combination of a semiconductor device structure recited in the base claims 1, 5, 9 and 13 including forming a base layer comprising a photocatalyst material on an insulating surface of a substrate, wherein the photocatalyst material is selected from the group consisting of titanium oxide (TiO<sub>x</sub>), strontium titanate (SrTiO<sub>3</sub>), cadmium selenide (CdSe), potassium tantalite (KTaO<sub>3</sub>), cadmium sulfide (CdS), zirconium oxide (ZrO<sub>2</sub>), niobium oxide (NbO<sub>5</sub>), zinc oxide (ZnO), iron oxide (Fe<sub>2</sub>O<sub>3</sub>) and tungsten oxide (WO<sub>3</sub>); forming a first conductive film pattern by discharging a conductive material containing a photosensitive material on the base layer over an insulating by droplet discharging.

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hoai v. Pham whose telephone number is 571-272-1715. The examiner can normally be reached on M-F.

4. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thao Xuan Le can be reached on 571-272-1708. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

5. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Hoai v Pham/  
Primary Examiner, Art Unit 2892